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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/713,130	TOMITA ET AL.				
Office Action Summary	Examiner	Art Unit				
	David N. Werner	2621				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)⊠ Responsive to communication(s) filed on <u>07 Ma</u>	ay 2009.					
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3) Since this application is in condition for allowan	<u>-</u>					
closed in accordance with the practice under E	x <i>parte Quayl</i> e, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims						
 4) Claim(s) 11,12,14-17,19-24,35,49-53,55-58,60-65 and 67-70 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 11,12,14-17,19-24,35,49-53,55-58,60-65 and 67-70 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 						
Application Papers						
9) ☐ The specification is objected to by the Examiner 10) ☑ The drawing(s) filed on 14 November 2003 is/an Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction 11) ☐ The oath or declaration is objected to by the Example 11.	re: a)⊠ accepted or b)⊡ objector drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CF	FR 1.121(d).			
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No. 09/378595. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	ite				

DETAILED ACTION

1. This Office action for U.S. Patent Application 10/713,130 is responsive to communications filed 07 May 2009, in response to the Final Rejection of 18 February 2009. Currently, Claims 11, 12, 14–17, 19–24, 35, 49–53, 55–58, 60–65, and 67–70 are pending.

2. In the previous Office action, Claims 52, 53, 55–58, 62, 63, 67, 68, and 70 were rejected under 35 U.S.C. 101 as non-statutory. Claims 11, 12, 14–17, 19, 20, 23, 24, 35, 49–53, 55–58, 60, 61, 64, 65, and 67–70 were rejected under 35 U.S.C. 103(a) as obvious over U.S. Patent 6,111,604 A (Hashimoto et al.) in view of U.S. Patent 6,148,031 A (Kato), U.S. Patent 5,987,179 A (Riek et al.), and ISO/IEC 11172 Part 1 (MPEG-1 Part 1). Claims 21, 22, 62, and 63 were rejected under 35 U.S.C. 103(a) as obvious over Hashimoto et al., Kato, Riek et al., and MPEG-1, and in view of U.S. Patent 6,327,423 B1 (Ejima et al.).

Response to Arguments

3. Applicant's arguments filed with respect to the rejections of the claims under 35 U.S.C. 101 have been fully considered but they are not persuasive. Applicant notes that the claims set forth the apparatuses for **receiving** picture signals and audio signals, but the claims do not state what performs the claimed processes of **encoding** the picture signals and audio signals. The Office currently interprets *Bilski* as requiring a method claim to recite explicitly in the body of the claim what apparatus or device

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performs what the Applicant considers the inventive step in the claim to fulfill the "tied to" test.

Applicant's arguments filed with respect to the rejections made under 35 U.S.C. 103(a) have been fully considered but are unpersuasive. Applicant is reminded that one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See In re Keller, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); In re Merck & Co., 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986). The previous Office action did not rely on the teachings of Hashimoto or Kato to disclose the multiplexing of still picture data and audio data into packs. Instead, MPEG-1 was relied on (Office action, pg. 8). However, at least the Riek reference discloses that it was known to encode still pictures in the MPEG-1 format (column 3: line 47). Applicant alleges in page 22 of the arguments that "nothing in Riek et al. shows, teaches, or suggests that the multiplexed data is composed of a first pack containing encoded I picture data, encoded P or B picture data and encoded audio data, and a second pack containing encoded audio data and encoded P or B picture data as claimed in claims 11, 35, 49-52, and 67-70". However, while Riek et al. does not explicitly discuss pack structure produced, it implicitly discloses the claimed structure by virtue of being an MPEG-1 encoder. MPEG-1 Part 1 was cited in the previous Office action to expand on the teachings of Riek in disclosing this pack structure. MPEG-1 Part 1 shows both a pack containing I, P, and B picture data, and a pack containing P and B picture data only. In the example shown in § 1-A.6.5, a first pack comprises

pictures 1I, 4P, 2B, 3B, and 7P, 5B, and 6B, and a second pack comprises pictures 10P, 8B, 9B, 13I, 11B, 12B, 16P, and 14B.

Applicant additionally states in page 23 of the Arguments that MPEG-1 is inapplicable to the current invention since MPEG-1 "only discloses multiplexing moving data and audio data" whereas the present invention is directed to "multiplexing still picture data and audio data". However, Riek et al. clearly shows that MPEG-1 may be used for encoding still picture data. To bring Applicant's argument to its logical conclusion, the Riek et al. invention must be inoperative or incredible. In an even more general case, any video camera that encodes MPEG-1 video in which no moving object is in the field of view for a period of time, such as for example a security camera recording video of an unoccupied hallway or a camera in an art documentary that captures a shot of a painting, encodes "still picture data" in "video packs", in which the video packs do not record any motion between frames. With all due respect, Applicant's view that MPEG-1 video must capture constant or continuous motion to produce valid data and somehow cannot capture a motionless video is incorrect.

Considering the above, the Examiner respectfully maintains all rejections.

Claim Rejections - 35 USC § 101

4. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

5. Claims 52, 53, 55–58, 62, 63, 67, 68, and 70 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Supreme

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Court precedent¹ and recent Federal Circuit decisions² indicate that a statutory "process" under 35 U.S.C. 101 must (1) be tied to another statutory category (such as a particular apparatus), or (2) transform underlying subject matter (such as an article or material) to a different state or thing. While the instant claim(s) recite a series of steps or acts to be performed, the claims neither transform underlying subject matter nor positively tie to another statutory category that accomplishes the claimed method steps, and therefore do not qualify as a statutory process. The above claims do not recite what apparatus performs the claimed encoding steps. The "photographing means" and "audio inputting means" in claim 52, for example, are not recited as performing any active steps in the claimed encoding method. Contrast this with claims 61, 64, and 65, which all tie method steps to specific devices such as the "record medium" of claim 61, the "picture decoding means" of claim 64, described as performing the claimed step of decoding the stored encoded picture data, or the "photographing means" of claim 65, described as performing the claimed step of outputting a picture signal.

Claim Rejections - 35 USC § 103

- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

¹ Diamond v. Diehr, 450 U.S. 175, 184 (1981); Parker v. Flook, 437 U.S. 584, 588 n.9 (1978); Gottschalk v. Benson, 409 U.S. 63, 70 (1972); Cochrane v. Deener, 94 US 780, 787-88 (1876).

² *In re Bilski*, 88 USPQ2d 1385 (Fed. Cir. 2008).

7. Claims 11, 12, 14–17, 19, 20, 23, 24, 35, 49–53, 55–58, 60, 61, 64, 65, and 67–70 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 6,111,604 A (Hashimoto et al.) in view of US Patent 6,148,031 A (Kato), in view of US Patent 5,987,179 A (Riek et al.), and in view of ISO/IEC 11172-1 (MPEG-1 Part 1). Hashimoto et al. teaches a digital camera.

Regarding claims 11, 35, and 52, figure 8 of Hashimoto et al. shows a block diagram of the camera. Image photographing section 6 comprises lens 7, lens opening 8, imaging element 9, and filter 10. The analog input image signal is converted in analog/digital converter 4 and further processed in DSP 11 (column 6: lines 40-61). This corresponds with the claimed "photographing means". Audio signals are input into microphone 1 and output through amplifier/filter 2a to analog/digital converter 4 (column 6: lines 18-26). This corresponds with the claimed "audio inputting means". Image data compression/expansion circuit 12 encodes the images from DSP 11 in a format such as JPEG or MPEG (column 6: line 62-column 7: line 2). This corresponds with the claimed "video encoding means" that performs the steps of "encoding the video signal" in the two encoding methods in claims 35 and 52. Figure 11 of Hashimoto et al. illustrates the process for capturing video and information. When the user presses the shutter button, a first picture with associated audio is captured. Image and audio files are stored in memory card 16, and an association file is written to link the image and audio files together (column 9: lines 46-54). The association file may be a container file for a still image, a still image with audio data, or a moving image with audio data (column 10: lines 1-8).

The present invention differs from Hashimoto et al. in that in the present invention, two encoding methods exist: a first mode encoding only still image data, and a second mode encoding audio data with still picture data or moving picture data comprising intra I frames and inter P or B frames. However, in Hashimoto et al., no clear distinction is made between various encoding modes for the recorded pictures. In the example given in column 9: line 55—column 10: line 4, audio may be associated with a still JPEG image, or a moving MJPEG image, or an MPEG image (column 6: line 65), which was known in the art at the time the invention was made to incorporate sound data.

Kato teaches an image processing system in a digital camera. Regarding claims 11 and 35, in Kato, in a continuous imaging mode, input images are initially recorded in real time in an intra mode as a succession of JPEG images, and stored in memory 20 (column 3: lines 41-47). In a still image mode, the input image is recorded in memory 20 as a single JPEG image (column 3: lines 47-53). After recording is finished, system control circuit 26 re-encodes the recorded series of intra images in an inter-frame compression mode (column 3: lines 54-63). This system control circuit corresponds with the claimed "controlling means" of claim 11, and the selection of a still image mode or a motion image mode in Kato corresponds with the claimed recording mode selection in claims 35 and 52.

Hashimoto et al. discloses a portion of the claimed invention, but not encoding pictures according to two different encoding methods. Kato teaches that it was known to encode motion image data in a separate format than still image data. Therefore, it

would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the camera of Hashimoto et al. to re-encode pictures having a temporal aspect, such as pictures with associated sound, as inter-frame encoded images after encoding, as taught by Kato, since Kato states in column 2: lines 16-34 that such a modification would enable the final recording to be achieved with higher compression than with intra pictures alone, while maintaining the ability for a user to record a high-quality still image during the motion image recording process.

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The present invention differs from the combination of Hashimoto et al. and Kato in that in the present invention, a still image recorded with sound is recorded in the same mode containing I pictures, P pictures, or B pictures as motion images recorded with sound, in Hashimoto et al., a still picture recorded with sound is a single JPEG image with an associated audio file.

Riek et al. discloses a camera that encodes still images in an MPEG bitstream. Regarding claim 1, figure 2 illustrates an embodiment of the Riek et al. apparatus. Light is input through lens 12 to CCD 14, which forms images (column 4: lines 15–18). These images are converted to a standard digital format in ISO CCIR601 converter 27 (column 4: lines 35–38). As will be shown below, the images received may be encoded as still images or moving images. A user may switch from recording motion images to recording still images with still select button 22 which causes logic and control unit 32 to encode a still image (column 4: lines 41–50). During a still image mode, a still image stored in frame store 29 from converter 27 is selected for encoding (column 4: lines 41–46), rather than directly from the converter 27. Encoder 30 encodes a still image as a

series of zero-motion-vector B frames or an enhanced I frame or P frame followed by a series of B frames, and encoding the first frame at the conclusion of recording the still image as the next I frame (column 9: line 22–column 10: line 41). Then, Riek et al. discloses the claimed second encoding method which may capture both still picture data and moving picture data, each comprising I pictures and P pictures or B pictures.

Hashimoto et al., in combination with Kato, discloses a majority of the claimed invention except for a single encoding method suitable for both still and motion image data. Riek et al. teaches that it was known to encode a sequence of still pictures as MPEG pictures integrated within a motion picture sequence. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to modify the encoder of Kato to record still pictures containing sound as inter pictures as with motion pictures containing sound, as taught by Riek et al., since Riek et al. states in column 3: lines 1–59 that such a modification would allow for high quality still images to be encoded within a motion image at a relatively low bit rate taking advantage of the inter-picture coding techniques of MPEG.

However, while the present invention is directed to multiplexing an encoded picture signal and an encoded audio signal, Hashimoto et al. does not give details of its process of "combining" a video file and an audio file (column 11: lines 34-42).

MPEG-1 Part 1 defines the system coding layer of an MPEG-1 coded data stream, in which audio and video data streams are multiplexed (forward). Regarding claims 11, 35, and 52, Section 1-A.6.3 illustrates a sample multiplexing of a stream having one video and one audio stream. The stream is divided into packs, each of

which has a header and three packets, each of 2048 bytes. Section 1-A.6.5 illustrates the distribution of frames into the packs, with a first pack typically encoding I, P, and B picture data and a second pack typically encoding P and B picture data in conventional GOP structure and video of average complexity. First, 13 video packets are transmitted to ensure successful buffering. Then, an audio packet is placed for every 6.25 video packets. Section 1-A.6.9 shows an extended sample multiplexed data stream. Here, a second audio packet is placed between the twentieth and twenty-first video packets. However, while in the shown example, one audio packet is placed for multiple video packets, the examiner takes Official Notice that it was known in the art for audio and video packets to be correlated in a 1:1 ratio, as in the "locked audio" of DV, in which one audio pack is present for each frame. Such a modification would ease linear editing to prevent mismatches between audio and video data streams at a start point or an end point of an edited segment.

Hashimoto et al., in combination with Kato and Riek et al., discloses the claimed invention except for multiplexing an audio and picture signal. MPEG-1 Part 1 teaches that it was known to produce a multimedia datastream by multiplexing packets of audio and video data. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to implement the combination of a video and audio file in Hashimoto et al. as a multiplexing operation, as taught by MPEG-1 Part 1, since MPEG-1 Part 1 states in the Introduction that such a modification would allow for synchronized playback of audio and video data without having to buffer an entire substream.

Regarding claims 12 and 53, in Kato, "the JPEG standard is used in the still image compression and the MPEG standard is used in the moving image compression" (column 9: lines 12-14).

Regarding claims 14 and 55, figure 12 of Hashimoto et al. shows video files and audio files stored in separate areas of memory card 16.

Regarding claims 15 and 56, in Kato, as mentioned previously, video data is first stored in first memory 20 and then transferred to second memory 22 (column 3: lines 54-63). This corresponds with writing multiplexed data to memory, reading the multiplexed data from memory, and recording multiplexed data on a recording medium. Additionally, in Kato, during the recording of a moving image, a still image from the sequence of moving images may be additionally transferred from the first memory to the second memory as an intra picture in an independent process of the moving picture recording (column 4: lines 1-10). This corresponds with encoding a video signal in the "first" encoding method, writing the signal to the memory, reading the signal from the memory, and recording the signal to the recording medium.

Regarding claims 16 and 57, figure 5 of Kato shows a compressed video encoder including DCT circuit 107, quantizing circuit 108, and variable length coding circuit 115 (column 5: line 60-column 6: line 24).

Regarding claims 17 and 58, figure 12 of Hashimoto et al. illustrates audio and video files stored in the memory as having headers.

Regarding claims 19 and 60, an MPEG-1 pack, containing 3 packets, is designed to have a pack rate of 29 Hz, or 1 frame per pack (Section 1-A.6.3).

Regarding claims 20 and 61, Kato temporarily stores incoming data on first memory 20, and after re-encoding, permanently stores the data on second memory 22 (column 4: lines 45-55, "the second memory 22 is the final storage medium").

Regarding claims 23 and 64, in Hashimoto et al., image data compression circuit 12 may also perform image decoding (column 6: lines 62-66), and so corresponds with the claimed "video decoding means". The decoded video signals may be further processed in DSP 11 (column 6: lines 58-61), which outputs a video signal 26 to a display such as an LCD viewfinder (not shown in figure 8). This display corresponds with the claimed "displaying means". Digital audio signals may also be decoded in audio data compression/expansion circuit, transmitted to D/A converter, amplified and filtered in amplifier 2b, and output in output stream 26 to speaker 32 (column 5: lines 17-39). This corresponds with the claimed "audio outputting means". This process of reading data stored in memory card 16 (column 7: lines 34-50), like all other processes of the camera of Hashimoto et al., is controlled by CPU 23 (column 7: lines 15-16), which corresponds with the claimed "controlling means".

Regarding claims 24 and 65, the CCD in Hashimoto et al. has a resolution of 768 x 480 pixels (column 6: line 44), and Kato inputs images at a resolution of 720 x 480 pixels, in accordance with the NTSC standard (column 4: line 15), and produces an output of 320 x 240 pixels (column 4: line 24), in accordance with the CIF format. Although neither Hashimoto et al. nor Kato et al. record pictures at the VGA 640 x 480

pixel standard, it would have been an obvious matter of design choice to modify the image sensing portion of camera of Hashimoto et al. or of Kato to produce 640 x 480 pictures, since it has been held that a change in size of a component is generally recognized as being within the level of ordinary skill in the art. See *In re Rose*, 105 USPQ 237 (CCPA 1955).

Regarding claim 49, in Kato, as shown in figure 1, system control circuit 26 controls both the image compression circuit 18, first memory 20, and second memory 22 (column 3: lines 41-63). This system control circuit corresponds with the claimed "controlling means".

Regarding claims 50 and 67, in Hashimoto et al., incoming image data from a camera is processed in noise reduction circuit 10 and DSP 11 (column 6: lines 40-61), and incoming audio data from a microphone is processed in amplifier/filter 3a (column 6: lines 18-21).

Regarding claims 51 and 68, in Hashimoto et al., figure 14 illustrates the flowchart for transmitting and receiving data from the camera to an external device (column 10: line 41–column 11: line 42). Data from the memory card is transferred to FIFO 13 (column 11: lines 25-29), and transmitted to an external device via interface circuit 27 (column 7: lines 1-36). Like every other process in the camera of Hashimoto et al., this process is controlled by CPU 23 (column 7: lines 15-16), which corresponds with the claimed "controlling means".

Regarding claims 69 and 70, in Kato, digital signal processor circuit 14 corresponds with the claimed "first picture encoder" that performs the step of receiving a

picture signal. In Hashimoto et al., audio data compression circuit 3 corresponds with the claimed "second encoder" that performs the step of receiving an audio signal. In Kato, image compression circuit 18, as modified by Riek et al., corresponds with the claimed "picture generation" that performs the claimed step of "generating fixed data". In Hashimoto et al., FIFO 13, which combines audio files and image files (column 11: lines 43-61), corresponds with the claimed "third encoder" that performs the claimed step of "multiplexing".

8. Claims 21, 22, 62, and 63 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hashimoto et al. in view of Kato, Riek et al., and MPEG-1 as applied to claims 11 and 52 above, and further in view of US Patent 6,327,423 B1 (Ejima et al.). Claims 21, 22, 62, and 63 are directed to specific operations of causing a camera to perform an audio capture for a certain time. Hashimoto et al. teaches taking pictures when a shutter button is pressed (column 7: lines 20-24), Kato teaches operating a keyboard to issue image taking commands (column 3: lines 41-53), and Riek et al. teaches recording a still image while a still select button is depressed (column 4: lines 41-50). However, the above references do not teach operation for a time period to encode audio data.

Ejima et al. teaches a camcorder that records sound data. Regarding claims 21 and 62, figure 14 is a flowchart illustrating one embodiment of the sound recording control process of Ejima et al. At step S1, CPU 39 determines if a release switch 10 is pressed, and if it is, the image recording process begins at step S2 (column 15: line 64–

column 16: line 3). At step S3, the sound recording process is started, and at step S4, a "REC" display is shown on a viewfinder to indicate that sound is being recorded (column 16: lines 4-11). At step S5, after 10 seconds have passed, the sound recording process stops (column 16: lines 11-16, 34-40). However, if a sound recording switch is pressed within 10 seconds at step S6, sound recording continues (column 16: lines 14-23, 44-50). The sound recording then ends when the sound recording switch is released at step S20 (column 16: lines 23-50). Then, sound recording switch 12 corresponds with the claimed "operating means", and the time period in which the sound recording switch is pressed corresponds with the claimed "timing means".

Hashimoto et al., in combination with Kato, Riek et al., and MPEG-1, discloses the claimed invention except for encoding audio during the pressing of an operation means. Ejima et al. teaches that it was known to perform sound recording while a sound recording switch is pressed. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the sound recording switch of Ejima et al. into the camera of Hashimoto et al. or Kato, since Ejima et al. states in column 1: line 60–column 2: line 20 that such a modification would allow the timing of a sound recording to be independent of the timing of its associated video recording.

Regarding claims 22 and 63, in Kato, if sound recording switch 12 is not pressed, then release switch 10 corresponds with the claimed "operating means", and the ten seconds is the "predetermined time period" in which audio is encoded.

Conclusion

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David N. Werner whose telephone number is (571)272-9662. The examiner can normally be reached on Monday-Friday from 10:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on (571) 272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/D. N. W./ Examiner, Art Unit 2621

/Dave Czekaj/ Primary Examiner, Art Unit 2621